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**1 Building efficient and effective metasearch engines**

Weiyl Meng, Clement Yu, King-Lup Liu

 March 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 1

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (416.07 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 35, Downloads (12 Months): 313, Downl

Frequently a user's information needs are stored in the databases of m and inefficient for an ordinary user to invoke multiple search engines an returned results. To support ...

**Keywords:** Collection fusion, distributed collection, distributed informa discovery, metasearch

**2 Précis: from unstructured keywords as queries to structured databas**

Alkis Simitsis, Georgia Koutrika, Yannis Ioannidis

 January 2008 **The VLDB Journal — The International Journal on Very**
**Publisher:** Springer-Verlag New York, Inc.

Full text available: Pdf (2.52 MB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 76, Downlo

Précis queries represent a novel way of accessing data, which combines databases and information retrieval. They are free-form, keyword-based that generate entire multi-relation ...

**Keywords:** Free-from queries, Keyword search, Query processing

**3 Path sharing and predicate evaluation for high-performance XML filter**

Yanlei Diao, Mehmet Altinel, Michael J. Franklin, Hao Zhang, Peter Fischer

 December 2003 **Transactions on Database Systems (TODS)** , Volume 28 I

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (543.40 KB)

 Additional Information: [full citation](#), [abstract](#)
**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 109, Downl

XML filtering systems aim to provide fast, on-the-fly matching of XML-e specifications containing constraints on both structure and content. It is

using event-based parsing and Finite ...

**Keywords:** Nondeterministic Finite Automaton, XML filtering, content-t expressions., path sharing, predicate evaluation, structure matching

#### 4 Query processing over object views of relational data

Gustav Fahl, Tore Risch

November 1997 **The VLDB Journal — The International Journal on Ver**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (454.31 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 43, Download

This paper presents an approach to *object view* management for relational databases. It makes it possible for users to transparently work with data in a relation object-oriented (OO) database. ...

**Keywords:** Object views, Object-oriented federated databases, Query processing

#### 5 Deep typechecking and refactoring




Zachary Tatlock, Chris Tucker, David Shuffelton, Ranjit Jhala, Sorin Lerner

October 2008 **OOPSLA '08: Proceedings of the 23rd ACM SIGPLAN conference**

on object-oriented programming languages and applications

**Publisher:** ACM 

Full text available:  Pdf (353.58 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 104, Download

Large software systems are typically composed of multiple layers, written in different languages, and coupled using a string-based interface. For example, in modern web applications, a client communicates with a database back-end ...

**Keywords:** JPA query analysis, cross language refactoring, cross language

Also published in:

October 2008 **SIGPLAN Notices** Volume 43 Issue 10

#### 6 Private inference control



David Woodruff, Jessica Staddon

October 2004 **CCS '04: Proceedings of the 11th ACM conference on Computer security**

**Publisher:** ACM 

Full text available:  Pdf (269.55 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 50, Download

Access control can be used to ensure that database queries pertaining to sensitive data are not answered. This is not enough to prevent users from learning sensitive information by combining non-sensitive information to discover ...


**Keywords:** inference control, oblivious transfer, private information ret

## 7 [Extracting queries by static analysis of transparent persistence](#)

 Ben Wiedermann, William R. Cook

January 2007 **POPL '07: Proceedings of the 34th annual ACM SIGPLAN-SIC programming languages**

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (675.51 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 67, Download

Transparent persistence promises to integrate programming languages programs to access persistent data with the same ease as non-persistent relational database, however, transparent ...

**Keywords:** databases, programming languages, static analysis

Also published in:


January 2007 **SIGPLAN Notices** Volume 42 Issue 1

## 8 [Weighted hypertree decompositions and optimal query plans](#)

 Francesco Scarcello, Gianluigi Greco, Nicola Leone

June 2004 **PODS '04: Proceedings of the twenty-third ACM SIGMOD-SIG database systems**

**Publisher:** ACM  Request Permissions


Full text available:  Pdf (217.58 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 24, Download


Hypertree width [22, 25] is a measure of the degree of cyclicity of hypertree from different areas, e.g., the evaluation of conjunctive queries in data in AI, are tractable when ...

## 9 [On deep annotation](#)

 Siegfried Handschuh, Steffen Staab, Raphael Volz

May 2003 **WWW '03: Proceedings of the 12th international conference on World Wide Web**

**Publisher:** ACM

Full text available:  Pdf (389.51 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 67, Download

The success of the Semantic Web crucially depends on the easy creation of this purpose, we consider an integration scenario that defines core construction methods. We describe a framework ...


**Keywords:** annotation, information integration, mapping and merging,

## 10 [Cleaning and querying noisy sensors](#)

 Eiman Elnahrawy, Badri Nath

September 2003 **WSNA '03: Proceedings of the 2nd ACM international conference on Sensor Networks and Applications**

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (256.08 KB)


Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 58, Downloads

Sensor networks have become an important source of data with numerous real-life phenomena as well as industrial applications and traffic control. Several sources of errors such as ...

**Keywords:** bayesian theory, noisy sensors, query evaluation, statistics**11** [A data model and architecture for hypermedia database visualization](#)

Robert Steven Owor

February 2002 **Web3D '02: Proceedings of the seventh international conference****Publisher:** ACM Full text available:  Pdf (471.51 KB)


Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 50, Downloads

In this paper, a proposal is made for a data model and architecture which user interface to navigate and query hypermedia and database systems in virtual environments that combine ...

**Keywords:** 3D user interfaces, VRML, databases, hypermedia, information**12** [Implementing filesystems by tree-aware DBMSs](#)

Alexander Holupirek, Marc H. Scholl

August 2008 **Proceedings of the VLDB Endowment**, Volume 1 Issue 2**Publisher:** VLDB EndowmentFull text available:  Pdf (698.31 KB)


Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 46, Downloads

With the rise of XML, the database community has been challenged by the data type behind XML is the tree, state-of-the-art RDBMSs have learned (5, 6, 16]). This paper introduces ...

**13** [Combining static analysis and runtime monitoring to counter SQL-injection](#)

William G. J. Halfond, Alessandro Orso

July 2005 **WODA '05: Proceedings of the third international workshop on****Publisher:** ACMFull text available:  Pdf (690.08 KB)

Additional Information: full citation, abstract


**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 164, Downloads

Our dependence on web applications has steadily increased, and we conduct everyday routine activities. When we are making reservations, paying bills, these web applications to be secure and ...

Also published in:

July 2005 **SIGSOFT Software Engineering Notes** Volume 30 Issue 4**14** [DIADS: a problem diagnosis tool for databases and storage area networks](#)

Nedyalko Borisov, Shivnath Babu, Sandeep Uttamchandani, Ramani Routr  
 August 2009 **Proceedings of the VLDB Endowment**, Volume 2 Issue 2  
**Publisher:** VLDB Endowment

Full text available:  Pdf (894.78 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 11, Downloads


Many enterprise environments have databases running on network-attached as *Storage Area Networks* or *SANs*). Both the database and the SAN are by separate teams of administrators. ...

#### 15 Effective rule induction from labeled graphs

 Tamás Horváth, Susanne Hoche, Stefan Wrobel

April 2006 **SAC '06: Proceedings of the 2006 ACM symposium on Applied**

**Publisher:** ACM 

Full text available:  Pdf (135.21 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 21, Downloads

Labeled graphs provide a natural way of representing objects and the various applications in different fields, such as for example in computation by relational structures and thus ...


**Keywords:** computational chemistry, graph mining

#### 16 Learning the semantics of multimedia queries and concepts from a

 Apostol (Paul) Natsey, Milind R. Naphade, Jelena Tesic

November 2005 **MULTIMEDIA '05: Proceedings of the 13th annual ACM in**

**Publisher:** ACM 

Full text available:  Pdf (533.74 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 101, Downloads

In this paper we unify two supposedly distinct tasks in multimedia retrieval queries with a few examples. The other involves learning models for several examples. In our view these two tasks are ...

**Keywords:** MECBR, TRECVID, semantics, support vector machines

#### 17 Subsumption and complementation as data fusion operators

 Jens Bleiholder, Sascha Szott, Melanie Herschel, Frank Kaufer, Felix Naum

March 2010 **EDBT '10: Proceedings of the 13th International Conference on**

**Publisher:** ACM 

Full text available:  Pdf (1.57 MB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 19, Downloads


The goal of data fusion is to combine several representations of one real representation, e.g., in data integration. A very popular operator to perform operator. It is defined ...

**Keywords:** complement union, data integration, data quality, minimum

18 [CodeQuest: querying source code with datalog](#)

 Einar Hajiyev, Mathieu Verbaere, Oege de Moor, Kris de Volder  
October 2005 **OOPSLA '05**: Companion to the 20th annual ACM SIGPLAN conference on programming, systems, languages, and applications

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (76.35 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 32, Downloads

We describe *CodeQuest*, a system for querying source code. It combines the use of logic programming and database system. Experiments (on projects) confirm that for this application, ...


**Keywords:** DataLog, analysis of object-oriented programs, relational database

19 [A new histogram method for sparse attributes: the averaged rectangle](#)

B. John Oommen, Jing Chen

September 2003 **ISICT '03**: Proceedings of the 1st international symposium on information technologies

**Publisher:** Trinity College Dublin

Full text available:  Pdf (153.70 KB)


[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 31, Downloads


Most current Database Management Systems (DBMS) use histograms in query optimization. This is because they can be utilized in various plans. All the existing methods perform ...

**Keywords:** attribute cardinality maps, histogram-based algorithms, query optimization

20 [A decisions query language \(DQL\): high-level abstraction for mathematical programming](#)

 Alexander Brodsky, Mayur M. Bhot, Manasa Chandrashekar, Nathan E. Egg  
June 2009 **SIGMOD '09**: Proceedings of the 35th SIGMOD international conference on management of data

**Publisher:** ACM

Full text available:  Pdf (682.15 KB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 155, Downloads

The demonstrated, high-level decisions query language DQL combines the benefits of mathematical programming and the data manipulation capability of traditional database systems. It provides application developers in two ...

**Keywords:** databases, decision query, mathematical programming.

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